

FIG. 1

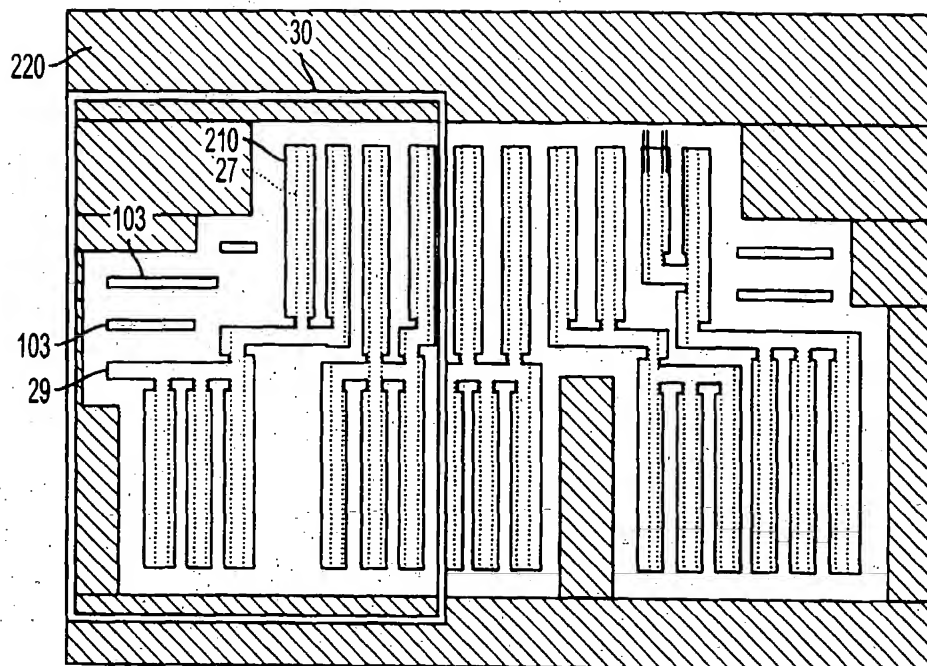
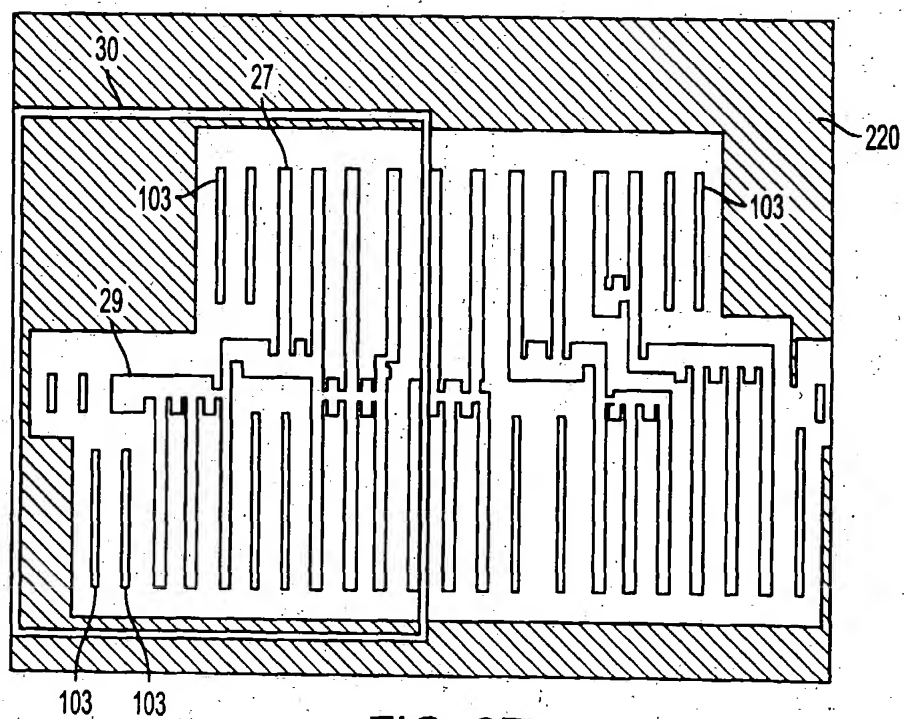


FIG. 2A



**FIG. 2B**

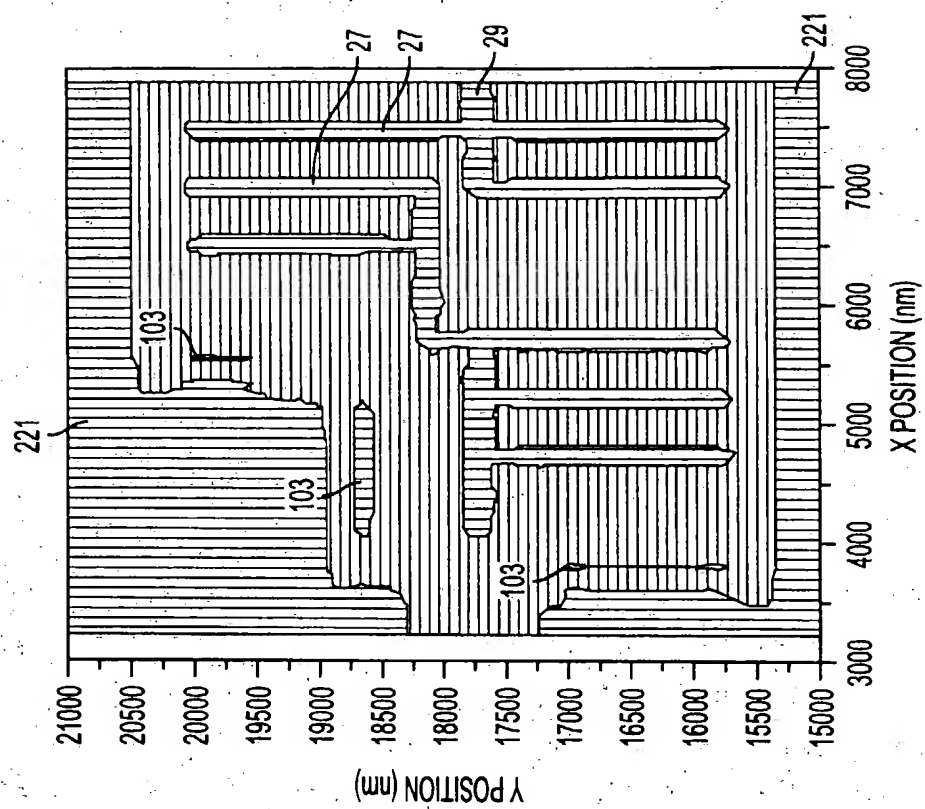


FIG. 3A

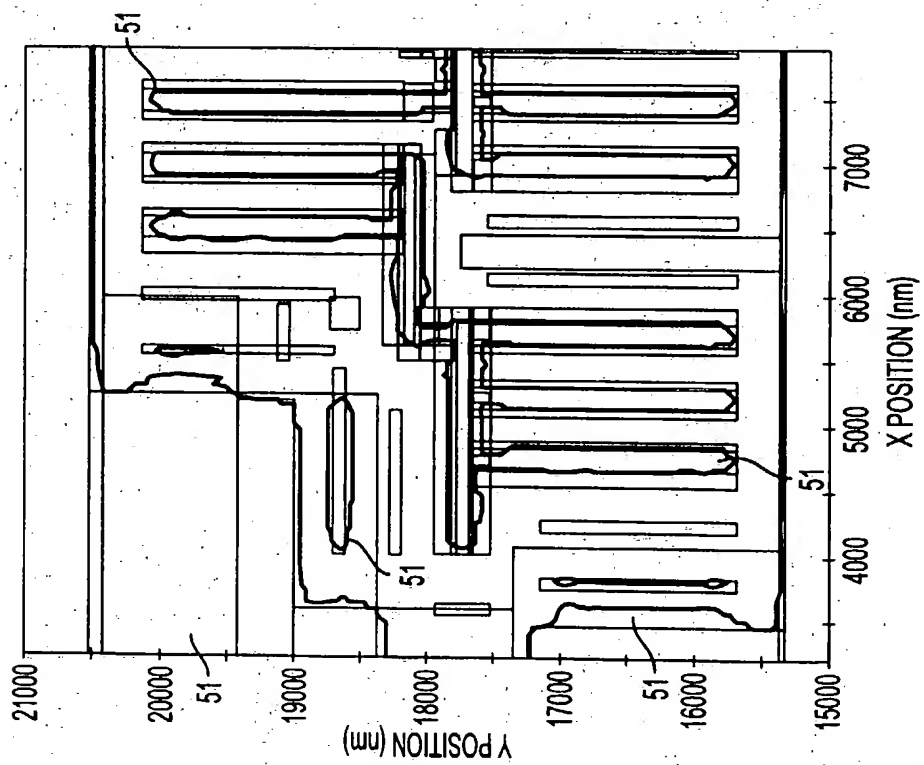


FIG. 3B

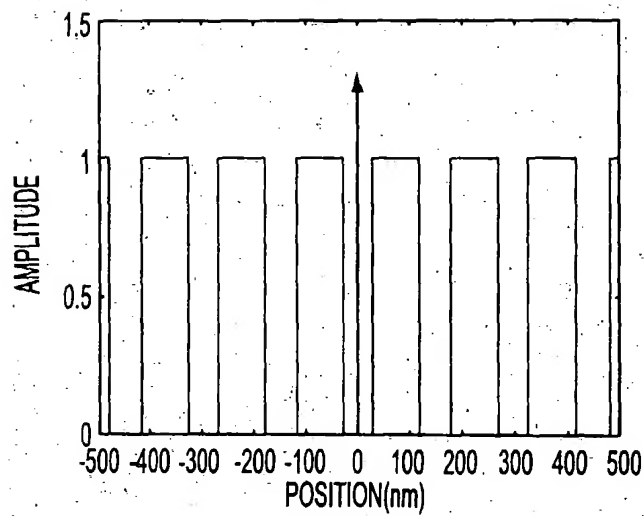


FIG. 4

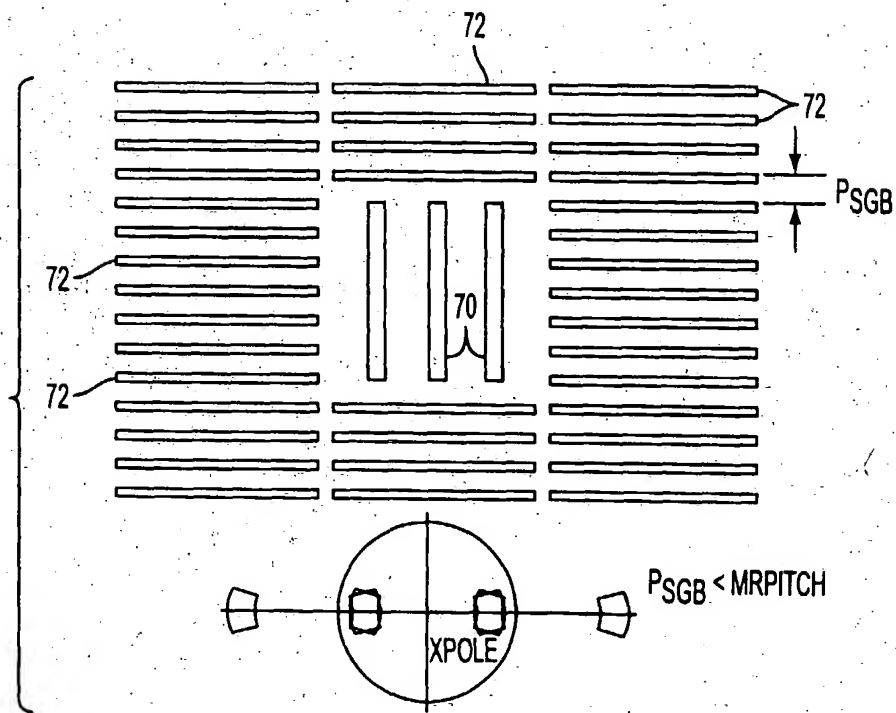


FIG. 5A

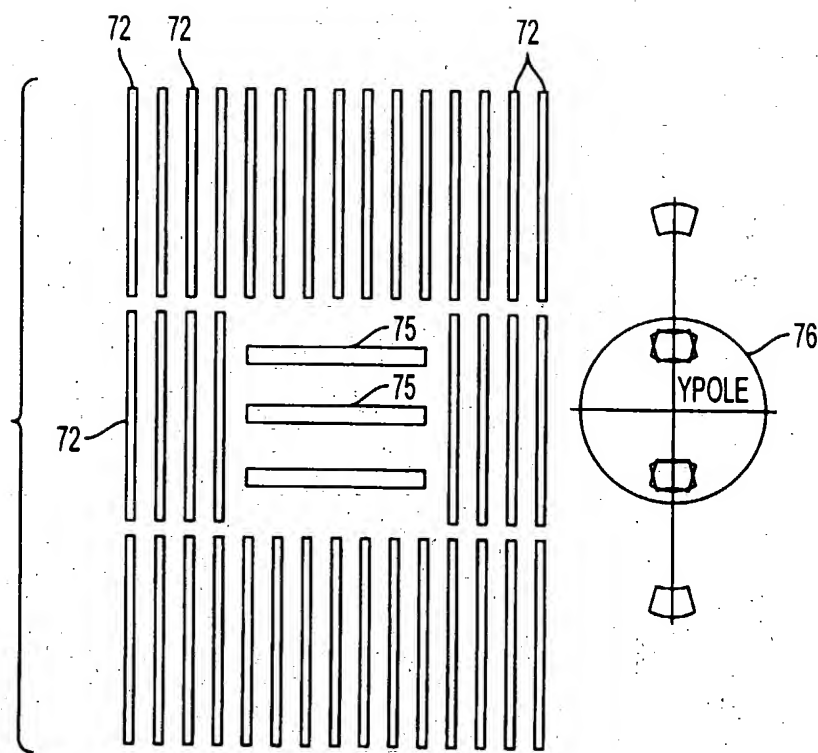


FIG. 5B

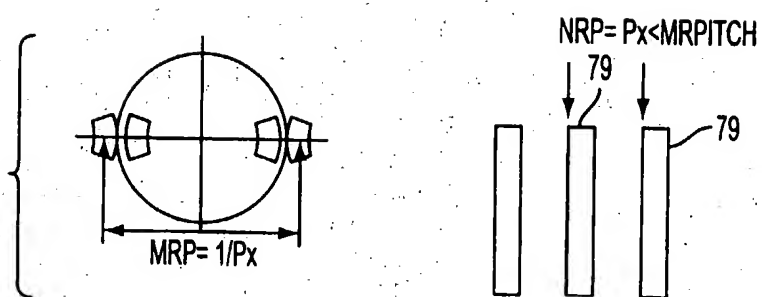


FIG. 6

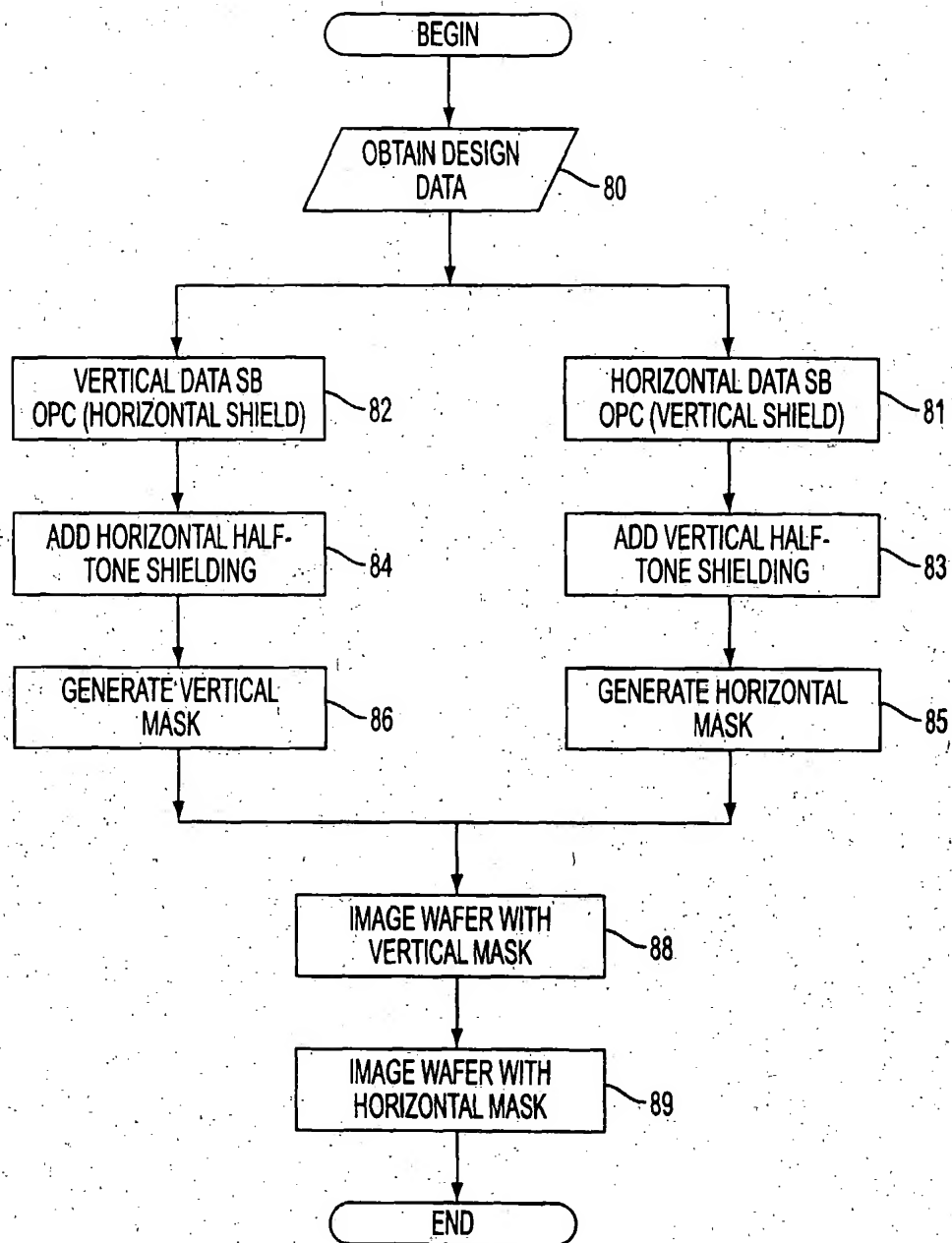


FIG. 7

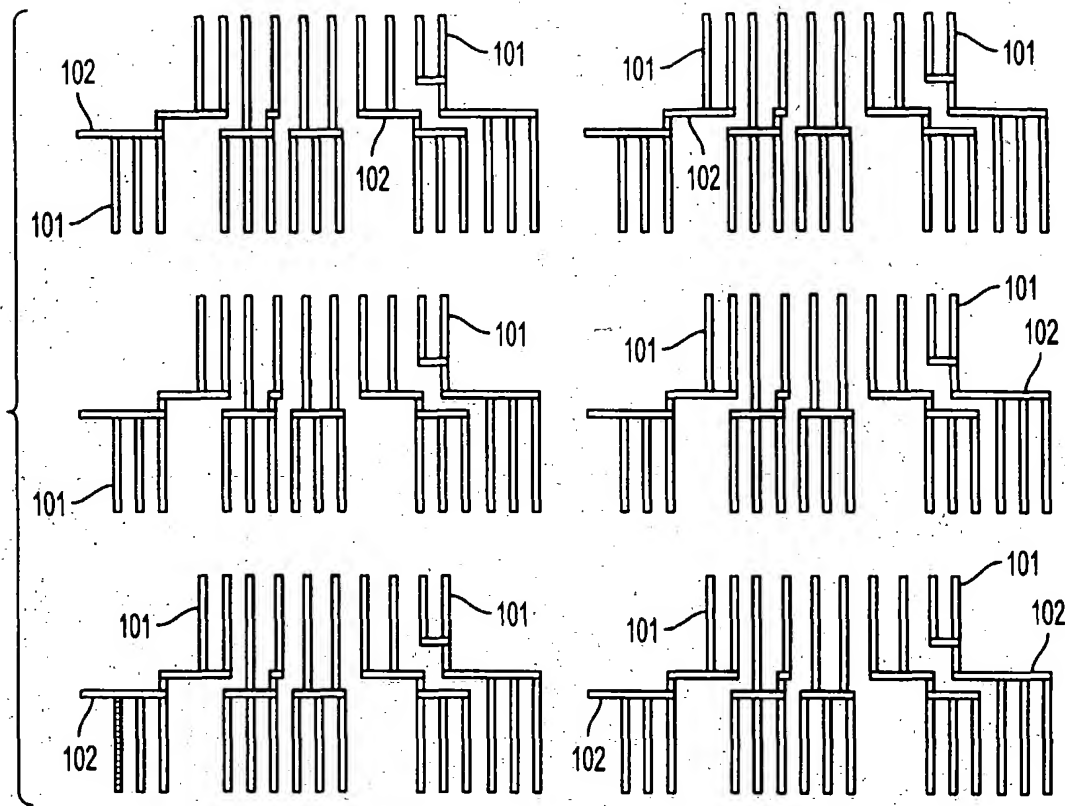


FIG. 8

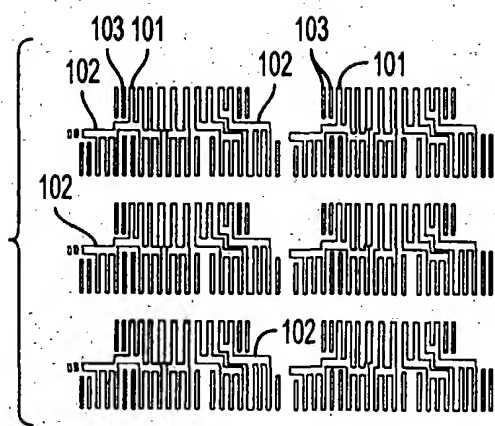


FIG. 9A

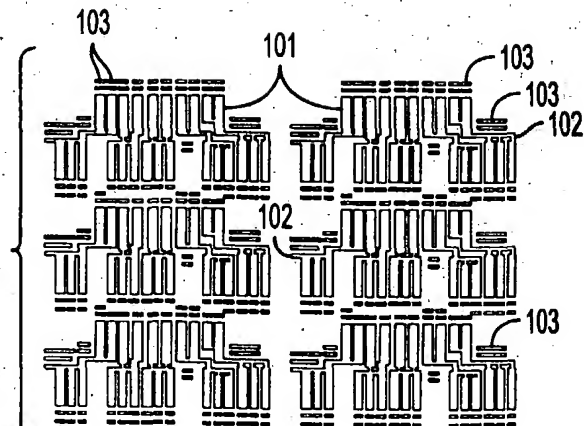


FIG. 9B

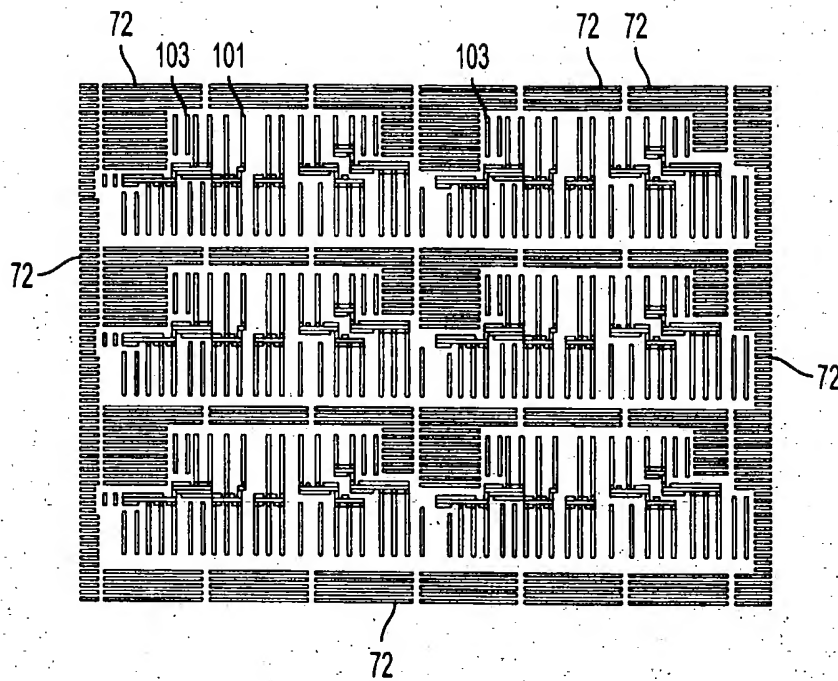


FIG. 10A

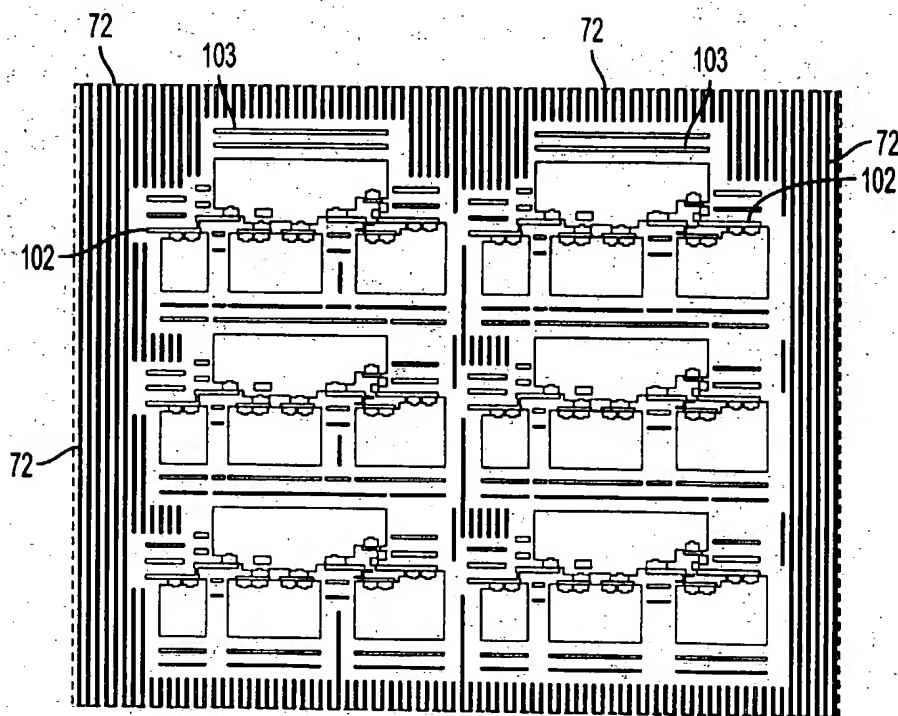


FIG. 10B



PATTERN	COVERED AREA (SQ MICRONS)	TOTAL AREA PATTERN FILE (SQ MICRONS)	% COVERAGE
TARGET	15.80638	173.39989 WAFFDPTGT.PF : TARGET LAYER	9
TARGET W RULE BASED OPC	30.08119	176.78820 HNOWAFFLE.PF: HORIZONTAL NO WAFF	17.3
TARGET W RULE BASED OPC	24.16783	176.78820 VNOWAFFLE.PF : VERTICAL NO WAFF	13.6
RULE-BASED OPC + IDWS	61.05581	176.78820 WAFFDPXHZ.PF: HORIZONTAL WITH WAFF	35
RULE-BASED OPC + IDWS	53.34173	176.78820 WAFFDPXVT.PF : VERTICAL WITH WAFF	30

TABLE 1: COMPARISON OF AREA COVERAGE FOR PATTERNS WITH DIFFERENT TREATMENT.

FIG. 11

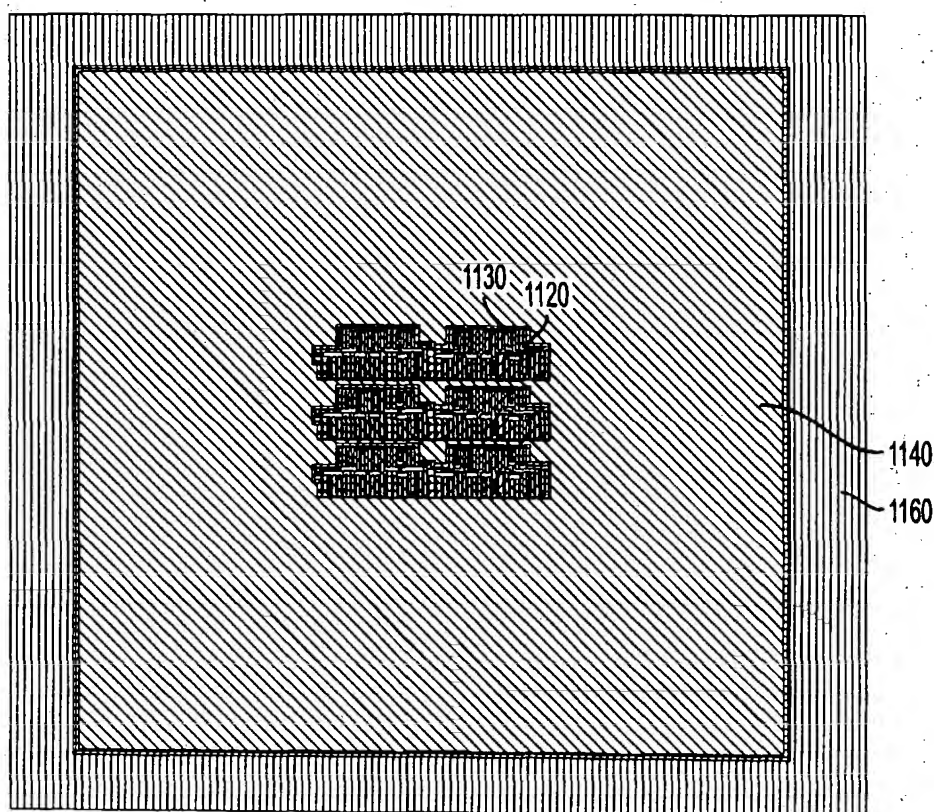


FIG. 12A

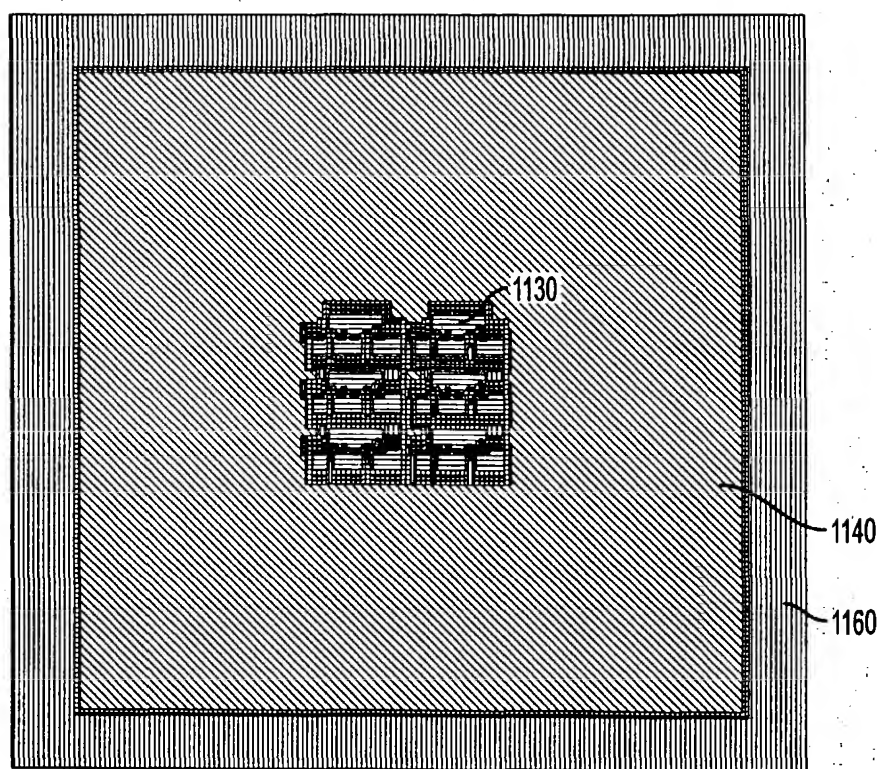


FIG. 12B

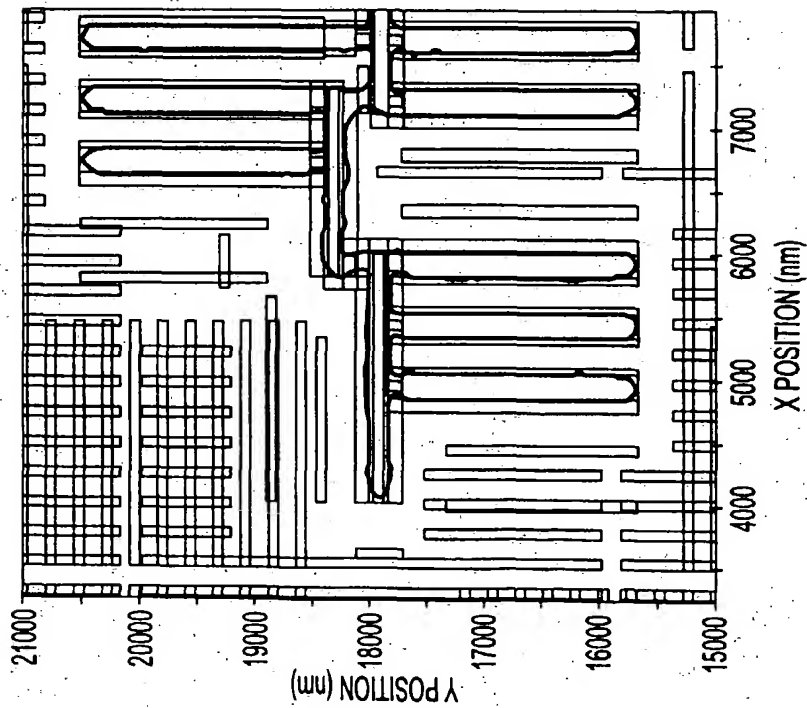


FIG. 13A

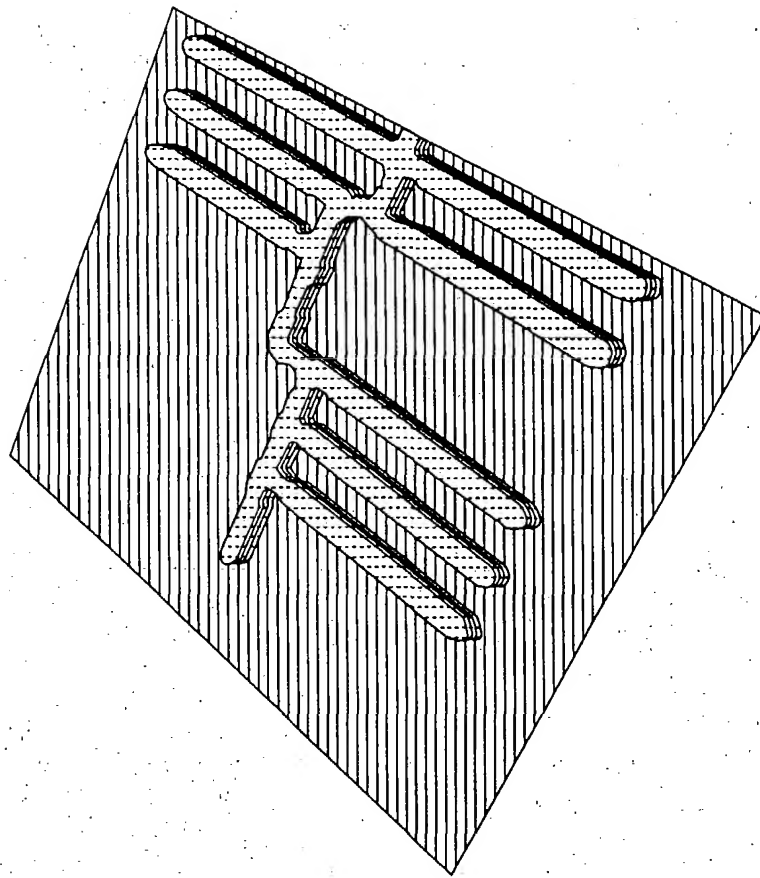


FIG. 13B

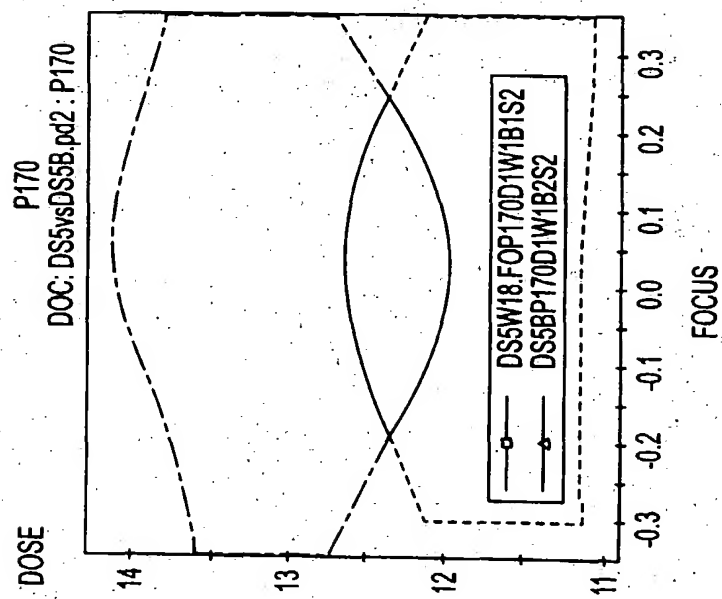


FIG. 14A

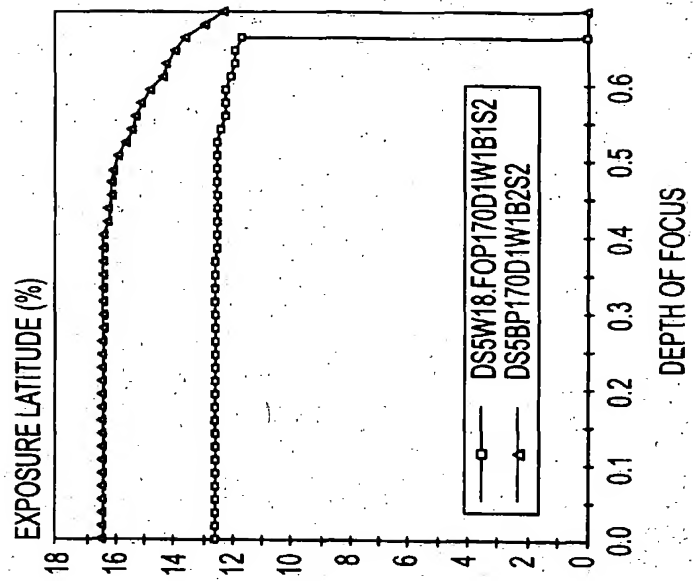


FIG. 14B

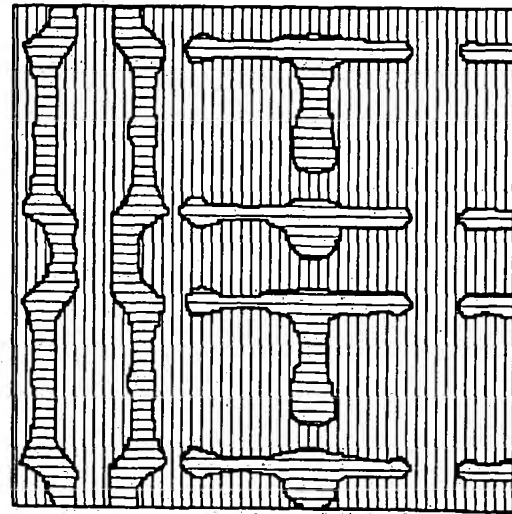


FIG. 15A

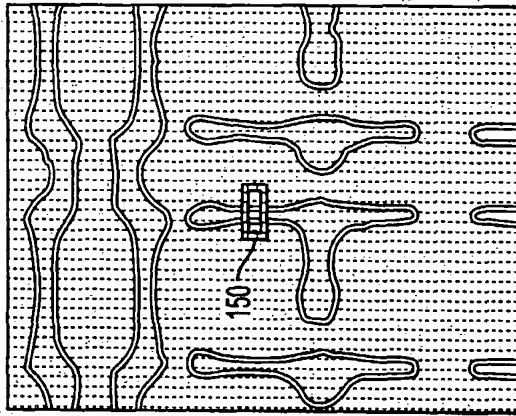


FIG. 15B

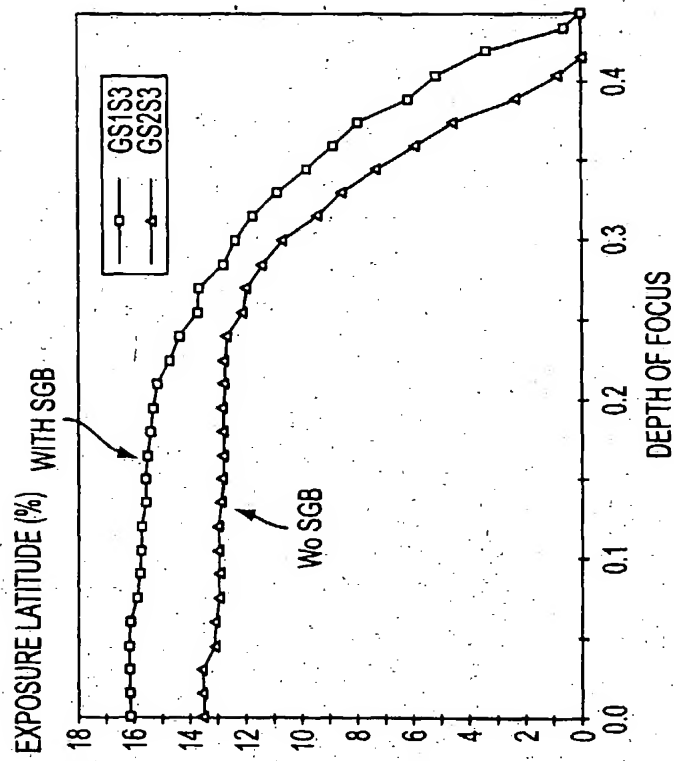


FIG. 15C

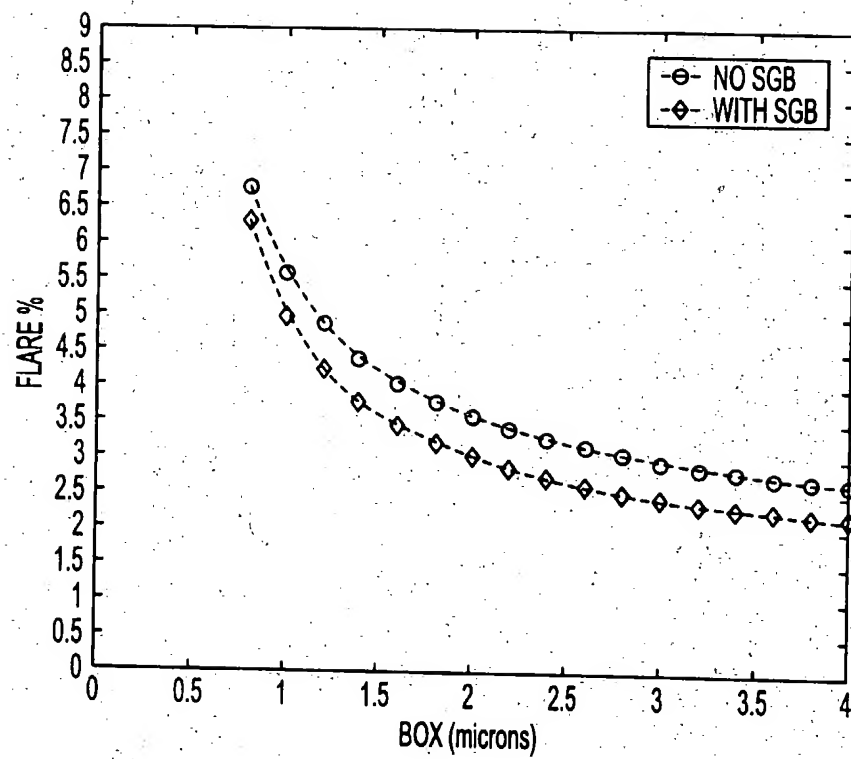


FIG. 16

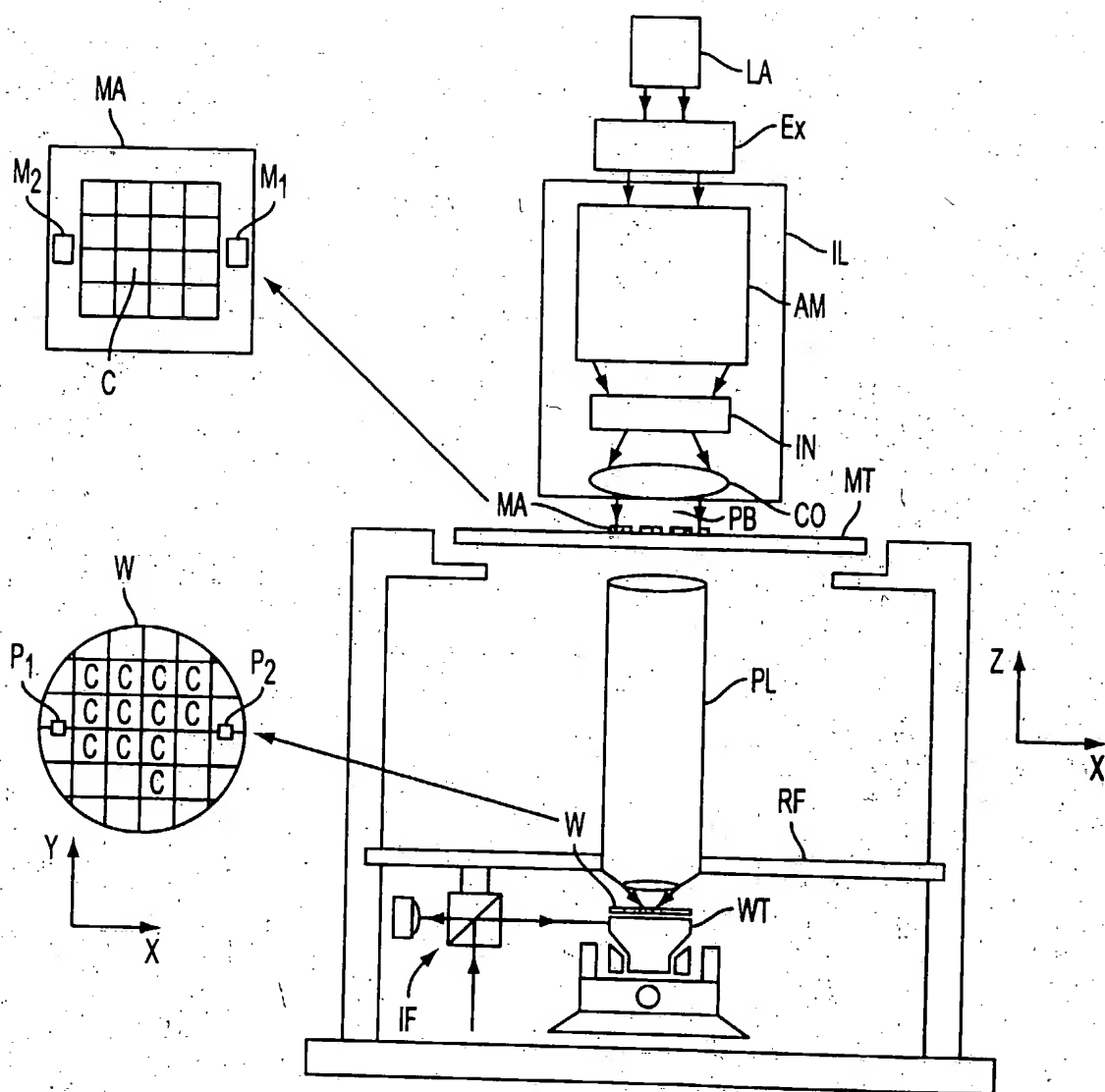


FIG. 17

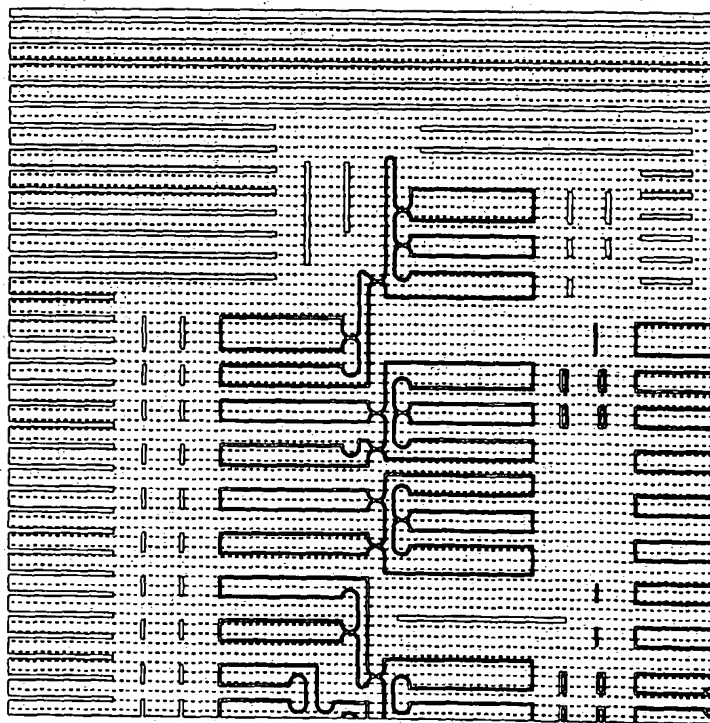


FIG. 18A

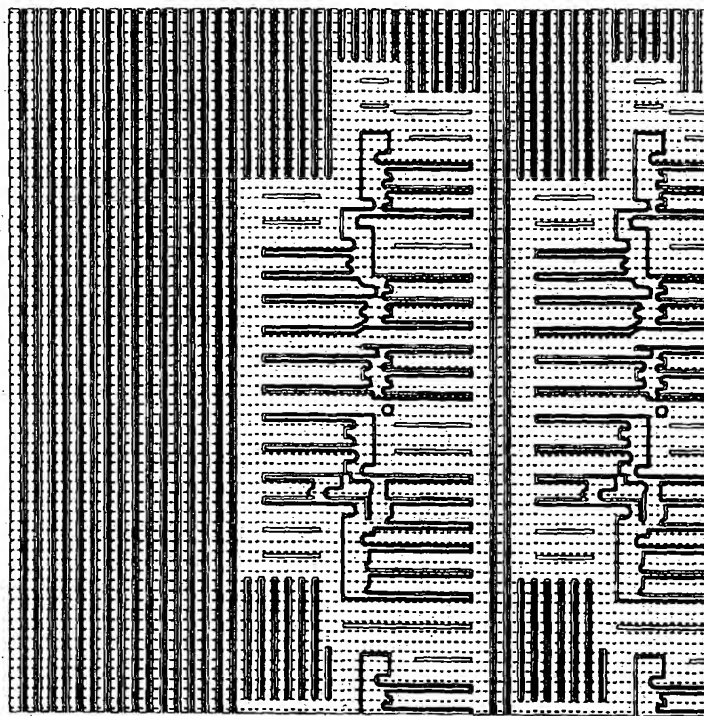


FIG. 18B